



FORM PTO-1449

FOURTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1700.0340001/BJD/SJEAPPLICATION NO.
10/622,124FIRST NAMED INVENTOR
Martin F. BachmannFILING DATE
July 18, 2003ART UNIT
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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AB	AG3	2001/0038862 A1	11/08/2001	Luo <i>et al.</i>			12/14/2000
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
AB	AN8	WO 03/051389 A2	07/26/2003	WIPO			Yes No
AB	AO8	WO 03/031466 A2 WO 03/031466 A3	04/17/2003	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	145	
AB	AS	145	International Search Report for International Application No. PCT/EP03/07849, mailed January 23, 2004, International Search Authority, European Patent Office, The Netherlands.
AB	AT	145	Lechner, F., <i>et al.</i> , "Virus-like particles as a modular system for novel vaccines," <i>Intervirology</i> 45:212-217, S. Karger AG, Basel (July-December 2002).

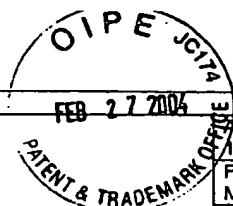
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/Agnieszka Boesen/

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07/13/2006

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		FIRST NAMED INVENTOR Martin F. Bachmann	
		FILING DATE July 18, 2003	ART UNIT 1645

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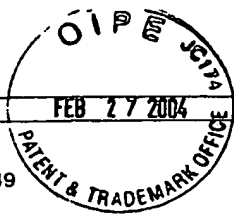
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AB	AL9	WO 03/024481 A2	03/27/2003	WIPO			Yes No
AB	AM9	WO 03/039225 A2	5/15/2003	WIPO			Yes No
AB	AN9	EP 1 197 496 A1	04/17/2002	Europe			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	<u>146</u>	Murakami, N., <i>et al.</i> , "Role for central ghrelin in food intake and secretion profile of stomach ghrelin in rats," <i>Journal of Endocrinology</i> 174:283-288, Society for Endocrinology, Great Britain (August 2002).
AB	AS	<u>146</u>	Bednarek, M.A., <i>et al.</i> , "Structure-Function Studies on the New Growth Hormone-Releasing Peptide, Ghrelin: Minimal Sequence of Ghrelin Necessary for Activation of Growth Hormone Secretagogue Receptor 1a," <i>J. Med. Chem.</i> 43:4370-4376, American Chemical Society, USA (2000).
AB	AT	<u>146</u>	Hinney, Anke, <i>et al.</i> , "Ghrelin gene: Identification of missense variants and a frameshift mutation in extremely obese children and adolescents and healthy normal weight students," <i>The Journal of Clinical Endocrinology & Metabolism</i> 87(6):2716-2719, The Endocrine Society, USA (June 2002).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	<u>147</u>	Hosoda, H., et al., "Purification and Characterization of Rat des-Gln ¹⁴ - Ghrelin, a Second Endogenous Ligand for the Growth Hormone Secretagogue Receptor," <i>The Journal of Biological Chemistry</i> 275:21995-22000, The American Society for Biochemistry and Molecular Biology, Inc. (2000)
	AS	<u>147</u>	
	AT	<u>147</u>	

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	AL						Yes No
	AM						Yes No
AB	AN3	EP 0 259 149 B1	12/15/1993	Europe			Yes No
AB	AO3	EP 0 385 610 B1	03/16/1994	Europe			Yes No
AB	AP3	WO 94/06472 A1	03/31/1994	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR		
AB	AS	<u>80</u>	Baba, T.W., et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825, American Association for the Advancement of Science (1995)
AB	AT	<u>80</u>	Bachmann, M.F., et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8 ⁺ cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600, VCH Verlagsgesellschaft mbH (1996)

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AB	AL4	EP 0 465 081 B1	04/20/1994	Europe			Yes No
AB	AM4	EP 0 283 505 B1	07/06/1994	Europe			Yes No
AB	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
AB	AO4	EP 0 425 082 B1	04/26/1995	Europe			Yes No
AB	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No

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AB	AR	<u>81</u>	Boorsma, M., et al., "A temperature-regulated replicon-based DNA expression system," <i>Nat. Biotechnol.</i> 18:429-432, Nature America, Inc. (April 2000)
AB	AS	<u>81</u>	Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701, American Society for Microbiology (1993)
AB	AT	<u>81</u>	Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307:66-70, Elsevier Science Publishers B.V. (1992)

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AB	AL5	WO 99/07839 A2 & A3	02/18/1999	WIPO			Yes No
AB	AM5	WO 99/40934 A1	08/19/1999	WIPO			Yes No
AB	AN5	WO 99/67293 A1	12/29/1999	WIPO			Yes No
	AO						Yes No
	AP						Yes No

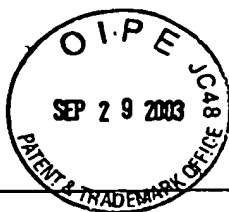
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AB	AR	<u>82</u>	Connor, R.I., et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," J. Virol. 72:1552-1576, American Society for Microbiology (1998)
AB	AS	<u>82</u>	Cramer, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," Gene 137:69-75, Elsevier Science Publishers B.V. (1993)
AB	AT	<u>82</u>	Daniel, M.D., et al., "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the nef Gene," Science 258:1938-1941, American Association for the Advancement of Science (1992)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	<u>83</u>	de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)
AB	AS	<u>83</u>	Donnelly, J.J., et al., "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews, Inc. (1997)
AB	AT	<u>83</u>	Ebina, S., et al., "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," <i>J. Biol. Chem.</i> 264:7882-7888, The American Society for Biochemistry and Molecular Biology, Inc. (1989)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	84	Esposito, G., et al., "Conformational study of a short Pertussis toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR: Analysis of the structural effects on the activity of synthetic immunogens," Eur. J. Biochem. 217:171-187, Blackwell Science Ltd. on behalf of the Federation of European Biochemical Societies (1993)
AB	AS	84	Förster, E., et al., "Natural and recombinant enzymatically active or inactive bee venom phospholipase A ₂ has the same potency to release histamine from basophils in patients with Hymenoptera allergy," J. Allergy Clin. Immunol. 95:1229-1235, Mosby-Year Book, Inc. (1995)
AB	AT	84	Frolov, I., et al., "Alphavirus-based expression vectors: Strategies and applications," Proc. Natl. Acad. Sci. USA 93:11371-11377, National Academy Press (1996)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	85	Gilbert, S.C., et al., "A protein particle vaccine containing multiple malaria epitopes," <i>Nat. Biotechnol.</i> 15:1280-1284, Nature America Publishing (1997)
AB	AS	85	Greenstone, H.L., et al., "Chimeric paillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc. Natl. Acad. Sci. USA</i> 95:1800-1805, National Academy Press (1998)
AB	AT	85	Hahn, C.S., et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," <i>Proc. Natl. Acad. Sci. USA</i> 89:2679-2683, National Academy Press (1992)

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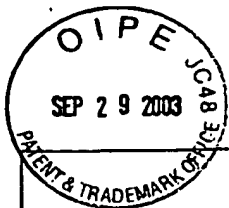
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AB	AR	86	Harding, C.V., and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," <i>J. Immunol.</i> 153:4925-4933, The American Association of Immunologists (1994)				
AB	AS	86	Hilleman, M.R., "Six decades of vaccine development - a personal history," <i>Nat. Med. Vaccine Suppl.</i> 4:507-514 (May 1998)				
AB	AT	86	Hui, E. K-W. et al., "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," <i>J. Gen. Virol.</i> 80:2647-2659, Society for General Microbiology (1999)				

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AB	AR	87	Iannolo, G., et al., "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," <i>Biol. Chem.</i> 378:517-521, Walter de Gruyter & Co. (1997)
AB	AS	87	Iannolo, G., et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248:835-844, Academic Press, Ltd. (1995)
AB	AT	87	Ikram, H., and Prince, A.M., "A method for coupling the Hepatitis B surface antigen to aldehyde-fixed erythrocytes for use in passive hemagglutination," <i>J. Virol. Methods</i> 2:269-275, Elsevier/North-Holland Biomedical Press (1981)

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AB	AR	88	Kovacsovics-Bankowski, M., et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946, National Academy Press (1993)
AB	AS	88	Lo, K. K-W., et al., "Surface-modified mutants of cytochrome P450cam: enzymatic properties and electrochemistry," <i>FEBS Lett.</i> 451:342-346, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)
AB	AT	88	Minenkova, O.O., et al., "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128:85-88, Elsevier Science Publishers B.V. (1993)

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AB	AR	89	Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," Mol. Immunol. 26:53-62, Pergamon Press (1989)
AB	AS	89	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)
AB	AT	89	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage," Protein Engin. 9:797-801, Oxford University Press (1996)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	90	Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," <i>FEBS Lett.</i> 442:1-6, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)
AB	AS	90	Quash, G., et al., "The preparation of latex particles with covalently bound polyamines IgG and measles agglutinins and their use in visual agglutination tests," <i>J. Immunol. Methods</i> 22:165-174, Elsevier/North-Holland Biomedical Press (1978)
AB	AT	90	Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16:1025-1031, Nature America, Inc. (1998)

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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	91	Redfield, R.R., et al., "Disseminated vaccinia in a military recruit with Human Immunodeficiency Virus (HIV) disease," <i>N. Eng. J. Med.</i> 316:673-676, Massachusetts Medical Society (1987)
AB	AS	91	Rudolf, M.P., et al., Molecular Basis for Nonanaphylactogenicity of a Monoclonal Anti-IgE Antibody," <i>J. Immunol.</i> 165:813-819, The American Association of Immunologists (2000)
AB	AT	91	Sedlik, C., et al., "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," <i>Proc. Natl. Acad. Sci. USA</i> 94:7503-7508, National Academy Press (1997)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	92	Shen, L., et al., "Recombinant Virus Vaccine-Induced SIV-Specific CD8 ⁺ Cytotoxic T Lymphocytes," <i>Science</i> 252:440-443, American Association for the Advancement of Science (1991)
AB	AS	92	Tanimori, H., et al., "Enzyme Immunoassay of Neocarzinostatin Using β -Galactosidase as Label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
AB	AT	92	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)

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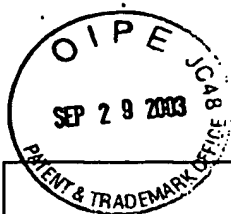
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	93	VanCott, T.C., et al., "Antibodies with Specificity to Native gp120 and Neutralization Activity against Primary Human Immunodeficiency Virus Type 1 Isolates Elicited by Immunization with Oligomeric gp160," J. Virol. 71:4319-4330, American Society for Microbiology (1997)
AB	AS	93	Watkins, S.J., et al., "The 'adenobody' approach to viral targeting: specific and enhanced adenoviral gene delivery," Gene Ther. 4:1004-1012, Stockton Press (1997)
AB	AT	93	Willis, A.E., et al., "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," Gene 128:79-83, Elsevier Science Publishers B.V. (1993)

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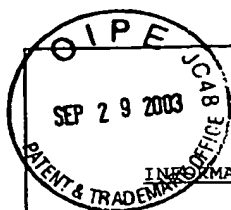
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	<u>94</u>	Dialog File 351, Accession No. 9831660, Derwent WPI English language abstract for WO 94/06472 (Document AP3)
AB	AS	<u>94</u>	International Preliminary Examination Report for International Application No. PCT/IB99/01925, European Patent Office, Munich (August 2000) (not for publication)
AB	AT	<u>94</u>	International Search Report for International Application No. PCT/IB99/01925, European Patent Office, Netherlands (June 2000) (not for publication)

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AB	AA1	4,722,840	02/02/1988	Valenzuela et al.			09/19/1985
AB	AB1	5,071,651	12/10/1991	Sabara et al.			03/05/1990
AB	AC1	5,143,726	09/01/1992	Thornton et al.			11/20/1989
AB	AD1	5,334,394	08/02/1994	Kossovsky et al.			01/04/1993
AB	AE1	5,374,426	12/20/1994	Sabara et al.			10/30/1989
AB	AF1	5,580,859	12/03/1996	Felgner et al.			03/18/1994
AB	AG1	5,698,424	12/16/1997	Mastico et al.			01/03/1995
AB	AH1	5,739,026	04/14/1998	Garoff et al.			08/13/1992
AB	AI1	5,766,602	06/16/1998	Xiong et al.			01/19/1995
AB	AJ1	5,770,380	06/23/1998	Hamilton et al.			09/13/1996
AB	AK1	5,789,245	08/04/1998	Dubensky, Jr. et al.			10/30/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
AB	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
AB	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
AB	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
AB	AO1	WO 98/15631 A1	04/16/1998	WIPO			Yes No
AB	AP1	WO 00/32227 A2	06/08/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	1	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)
AB	AS	1	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)
AB	AT	1	Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AB	AA2	5,792,462	08/11/1998	Johnston et al.			05/23/1995
AB	AB2	5,814,482	09/29/1998	Dubensky, Jr. et al.			10/30/1996
AB	AC2	5,871,747	02/16/1999	Gengoux-Sedlik et al.			04/28/1995
AB	AD2	5,928,647	07/27/1999	Rock			09/15/1995
AB	AE2	6,004,763	12/21/1999	Gengoux et al.			05/12/1998
AB	AF2	6,054,312	04/25/2000	Larocca et al.			08/29/1997
AB	AG2	6,231,864 B1	05/15/2001	Birkett			02/11/1999
AB	AH2	6,380,364 B1	04/30/2002	Mueller et al.			10/06/1999
AB	AI2	2002/0064533 A1	05/30/2002	Murray			06/04/2001
AB	AJ2	2002/0081295 A1	06/27/2002	Schiller et al.			04/13/2001
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AB	AL2	WO 00/59928 A1	10/12/2000	WIPO			Yes No
AB	AM2	WO 00/23955 A1	04/27/2000	WIPO			Yes No
AB	AN2	WO 01/62284 A2	08/30/2001	WIPO			Yes No
AB	AO2	WO 01/85208 A2	11/15/2001	WIPO			Yes No
AB	AP2	WO 99/28478 A1	06/10/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)
AB	AS	2	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXCR4 Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)
AB	AT	2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)

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AB	AL3	WO 99/57289 A2 & A3	11/11/1999	WIPO			Yes No
AB	AM3	WO 00/50461 A1	08/31/2000	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	3	Antonyssamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
AB	AS	3	Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
AB	AT	3	Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
AB	AS	4	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
AB	AT	4	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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AB	AR	5	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)
AB	AS	5	Bard, F. et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000)
AB	AT	5	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)

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AB	AR	6	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994)
AB	AS	6	Biasselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)
AB	AT	6	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)

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	AO						Yes No
	AP						Yes No

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AB	AR	2	Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
AB	AS	2	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
AB	AT	2	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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AB	AR	8	Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," <i>J. Mol. Evol.</i> 44:299-309, Springer-Verlag (1997)
AB	AS	8	Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)
AB	AT	8	Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 27:1003-1054, New York Academy of Sciences (1965)

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1700.0340001/BJD/SJE	APPLICATION NO. 10/622,124
	APPLICANT BACHMANN et al.	
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	AM						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	2	Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989)
AB	AS	2	Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)
AB	AT	2	Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)

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AB	AR	<u>10</u>	Bullitt, E., et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," <i>Proc. Natl. Acad. Sci. USA</i> 93:12890-12895, National Academy Press (1996)
AB	AS	<u>10</u>	Bullitt, E., and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," <i>Biophys. J.</i> 74:623-632, Biophysical Society (1998)
AB	AT	<u>10</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," <i>Blood</i> 96:2655-2663, The American Society of Hematology (October 2000)

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AB	AR	11	Burghoff, R.L., et al., "Utilization of the Mouse Large Intestine To Select an <i>Escherichia coli</i> F-18 DNA Sequence That Enhances Colonizing Ability and Stimulates Synthesis of Type 1 Fimbriae," <i>Infect. Immun.</i> 61:1293-1300, American Society for Microbiology (1993)
AB	AS	11	Cannon-Carlson S., et al., "Expression, Purification, and Characterization of Recombinant Human Interleukin-13 from NS-O Cells," <i>Protein Expr. Purif.</i> 12:239-248, Academic Press (1998)
AB	AT	11	Chabaud, M., et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," <i>J. Immunol.</i> 161: 409-414, The American Association of Immunologists (1998)

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AB	AR	12	Chabaud, M., et al., "Human Interleukin-17. A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium," Arthritis Rheum. 42:963-970, Wiley-Liss, Inc. (1999)
AB	AS	12	Chabaud, M., et al., "Contribution of Interleukin 17 to synovium matrix destruction in rheumatoid arthritis," Cytokine 12:1092-1099, Cell Press (July 2000)
AB	AT	12	Clark, H.F, et al., "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) From Vipera russelli," J. Natl. Cancer Inst. 51:645-657, Oxford University Press (1973)

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AB	AR	13	Clark-Lewis, I., et al., "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2," <i>Biochemistry</i> 30:3128-3135, American Chemical Society (1991)
AB	AS	13	Coffman, R.L., et al., "Antibody to Interleukin-5 Inhibits Helminth-Induced Eosinophilia in Mice," <i>Science</i> 245:308-310, American Association for the Advancement of Science (1989)
AB	AT	13	Cohen, C., and Parry D.A.D., " α -Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)

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AB	AR	14	Corti, M., et al., "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981)
AB	AS	14	Coutelier, J.-P., et al., "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)
AB	AT	14	Crump, M.P., et al., "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)

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AB	AR	15	Davis, N.L., et al., "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," Virology 171:189-204, Academic Press (1989)
AB	AS	15	Daugherty, P.S., et al., "Development of an optimized expression system for the screening of antibody libraries displayed on the <i>Escherichia coli</i> surface," Protein Eng. 12:613-621, Oxford University Press (1999)
AB	AT	15	Dealwis, C., et al., "Crystal structure of chemically synthesized [N33A] stromal cell-derived factor 1 α , a potent ligand for the HIV-1 "fusin" coreceptor," Proc. Natl. Acad. Sci. USA 95:6941-6946, National Academy Science (June 2001)

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AB	AR	16	Dodson, K.W., et al., "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," <i>Proc. Natl. Acad. Sci. USA</i> 90:3670-3674, National Academy Press (1993)
AB	AS	16	Dudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," <i>Ann. Rheum. Dis.</i> 59:529-532, Bmj Publishing Group (July 2000)
AB	AT	16	Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," <i>J. Virol.</i> 65:575-582, American Society for Microbiology (1991)

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AB	AR	17	Eisenmesser, E.Z., et al., "Expression, Purification, Refolding, and Characterization of Recombinant Human Interleukin-13: Utilization of Intracellular Processing," <i>Protein Expr. Purif.</i> 20:186-195, Academic Press (November 2000)
AB	AS	17	Eisenmesser, E.Z., et al., "Solution Structure of Interleukin-13 and Insights into Receptor Engagement," <i>J. Mol. Biol.</i> 310:231-241, Academic Press (June 2001)
AB	AT	17	Eisenstein, B.I., "Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> Is Under Transcriptional Control," <i>Science</i> 214:337-339, American Association for the Advancement of Science (1981)

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AB	AR	18	Elisseeva, E.L., et al., "NMR Studies of Active N-terminal Peptides of Stromal Cell-derived Factor-1," <i>J. Biol. Chem.</i> 275:26799-26805, The American Society for Biochemistry and Molecular Biology, Inc. (September 2000)
AB	AS	18	Eshdat, Y., et al., "Dissociation and Reassembly of <i>Escherichia coli</i> Type 1 Pili," <i>J. Bacteriol.</i> 148:308-314, American Society for Microbiology (1981)
AB	AT	18	Ettinger, R., et al., "A Critical Role for Lymphotoxin- β Receptor in the Development of Diabetes in Nonobese Diabetic Mice," <i>J. Exp. Med.</i> 193:1333-1339, The Rockefeller University Press (June 2001)

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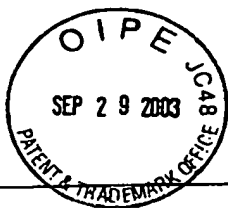
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AB	AS	<u>19</u>	Folkman, J., and Klagsbrun, M., "Angiogenic Factors," <i>Science</i> 235:442-447, American Association for the Advancement of Science (1987)
AB	AT	<u>19</u>	Folkman, J., "Angiogenesis in cancer, vascular, rheumatoid and other disease," <i>Nat. Med.</i> 1:27-31, Nature Publishing Company (1995)

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AB	AR	20	Forssmann, U., et al., "Eotaxin-2, a Novel CC Chemokine that Is Selective for the Chemokine Receptor CCR3, and Acts Like Eotaxin on Human Eosinophil and Basophil Leukocytes," <i>J. Exp. Med.</i> 185:2171-2176, The Rockefeller University Press (1997)
AB	AS	20	Fossiez, F., et al., "T Cell Interleukin-17 Induces Stromal Cells to Produce Proinflammatory and Hematopoietic Cytokines," <i>J. Exp. Med.</i> 183:2593-2603, The Rockefeller University Press (1996)
AB	AT	20	Fossiez F., et al., "Interleukin-17," <i>Intern. Rev. Immunol.</i> 16:541-551, Harwood Academic Publishers (1998)

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AB	AR	21	Fujiwara, K., et al., "Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin," J. Immunol. Methods 45:195-203, Elsevier/North-Holland Biomedical Press (1981)
AB	AS	21	Gally, D.L., et al., "Environmental Regulation of the <i>fim</i> Switch Controlling Type 1 Fimbrial Phase Variation in <i>Escherichia coli</i> K-12: Effects of Temperature and Media," J. Bacteriol. 175:6186-6193, American Society for Microbiology (1993)
AB	AT	21	Gally, D. L., et al., "Interaction of FimB and FimE with the <i>fim</i> switch that controls the phase variation of type 1 fimbriate in <i>Escherichia coli</i> K-12," Mol. Microbiol. 21:725-738, Blackwell Science, Ltd. (1996)

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AB	AR	22	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> 126: 61-68, Elsevier (1990)
AB	AS	22	Golmohammadi, R., et al., "The crystal structure of bacteriophage Q β at 3.5Å resolution," <i>Structure</i> 4:543-554, Current Biology, Ltd. (1996)
AB	AT	22	Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," <i>Nature</i> 391:799-803, Nature Publishing Group (1998)

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ATTY. DOCKET NO.
1700.0340001/BJD/SJE

APPLICATION NO.
10/622,124

APPLICANT
BACHMANN et al.

FILING DATE
July 18, 2003

GROUP
To be assigned

U.S. PATENT DOCUMENTS

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	AM						Yes No
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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	23	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," <i>Nat. Biotechnol.</i> 18:1287-1292, Nature Publishing Company (December 2000)
AB	AS	23	Hanson, M.S., et al., "Purification of the <i>Escherichia coli</i> Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," <i>J. Bacteriol.</i> 170:3350-3358, American Society for Microbiology (1988)
AB	AT	23	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," <i>Nature</i> 332:265-268, Nature Publishing Group (1988)

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AB	AR	24	Harrison, J.L., et al., "Screening of Phage Antibody Libraries," <i>Methods Enzymol.</i> 267:83-109, Macmillan Publishers, Ltd. (1996)
AB	AS	24	Haslam, D.B., et al., "The amino-terminal domain of the P-pilus adhesin determines receptor specificity," <i>Mol. Microbiol.</i> 14:399-409, Blackwell Scientific Publications (1994)
AB	AT	24	Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel β Chemokine Containing Six Conserved Cysteines," <i>J. Immunol.</i> 159: 1589-1593, The American Association of Immunologists (1997)

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AB	AR	25	Heveker, N., et al., Dissociation of the signalling and antiviral properties of SDF-1-derived small peptides," Curr. Biol. 8:369-376, Current Biology, Ltd. (1998)
AB	AS	25	Hirel, P.-H., et al., "Extent of N-terminal methionine excision from <i>Escherichia coli</i> proteins is governed by the side-chain length of the penultimate amino acid," Proc. Natl. Acad. Sci. USA 86:8247-8251, National Academy Press (1989)
AB	AT	25	Holmes, W.D., et al., "Solution Studies of Recombinant Human Stromal-Cell-Derived Factor-1," Prot. Expr. Purif. 21:367-377, Academic Press (April 2001)

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AB	AR	26	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
AB	AS	26	Holmgren, A., and Bränden, C.-I., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold," <i>Nature</i> 342:248-251, Nature Publishing Group (1989)
AB	AT	26	Hultgren, S.J., et al., "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989)

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AB	AR	27	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," Adv. Prot. Chem. 44:99-123, Academic Press, Inc. (1993)
AB	AS	27	Hultgren, S.J., et al., "Pilus and Nonpilus Bacterial Adhesins: Assembly and Function in Cell Recognition," Cell 73:887-901, Cell Press (1993)
AB	AT	27	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)

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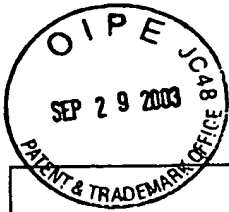
AB	AR	28	Humbles, A.A., et al., "Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo," <i>J. Exp. Med.</i> 186:601-612, The Rockefeller University Press (1997)
AB	AS	28	Hung, D.L., et al., "Molecular basis of two subfamilies of immunoglobulin-like chaperones," <i>EMBO J.</i> 15:3792-3805, Oxford University Press (1996)
AB	AT	28	Hung, D.L. and Hultgren, S.J., "Pilus Biogenesis via the Chaperone/Usher Pathway: An Integration of Structure and Function," <i>J. Struct. Biol.</i> 124:201-220, Academic Press (1998)

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AB	AR	29	Ikeda, T., et al., "Determination of Three Isoforms of the Receptor Activator of Nuclear Factor- κ B Ligand and Their Differential Expression in Bone and Thymus," <i>Endocrinology</i> 142:1419-1426, The Endocrine Society (April 2001)
AB	AS	29	Ingley E., et al., "Production and purification of recombinant human interleukin-5 from yeast and baculovirus expression systems," <i>Eur. J. Biochem.</i> 196:623-629, Blackwell Science, Ltd. (1991)
AB	AT	29	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc. Natl. Acad. Sci. USA</i> 91:11552-11556, National Academy Press (1994)

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AB	AR	30	Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," <i>EMBO J.</i> 12:837-847, Oxford University Press (1993)
AB	AS	30	Jacob-Dubuisson, F., et al., "Chaperone-assisted Self-assembly of Pili Independent of Cellular Energy," <i>J. Biol. Chem.</i> 269:12447-12455, The American Society for Biochemistry and Molecular Biology, Inc. (1994)
AB	AT	30	Jiang, X., et al., "Norwalk Virus Genome Cloning and Characterization," <i>Science</i> 250:1580-1583, American Association for the Advancement of Science (1990)

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AB	AR	<u>31</u>	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," <i>Proc. Natl. Acad. Sci. USA</i> 90:8397-8401, National Academy Press (1993)
AB	AS	<u>31</u>	Jones, C.H., et al., "FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae," <i>Proc. Natl. Acad. Sci. USA</i> 92:2081-2085, National Academy Press (1995)
AB	AT	<u>31</u>	Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo," <i>J. Exp. Med.</i> 191: 495-501, The Rockefeller University Press (February 2000)

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AB	AR	<u>32</u>	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- β and TNF- α , by Human Macrophages," <i>J. Immunol.</i> 160:3513-3521, The American Association of Immunologists (1998)
AB	AS	<u>32</u>	Kapp, U., et al., "Interleukin 13 Is Secreted by and Stimulates the Growth of Hodgkin and Reed-Sternberg Cells," <i>J. Exp. Med.</i> 189:1939-1945, The Rockefeller University Press (1999)
AB	AT	<u>32</u>	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23:245-254, Elsevier (1983)

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AB	AR	33	Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," <i>Nature</i> 362:841-844, Nature Publishing Group (1993)
AB	AS	33	Kim, K.-H., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," <i>J. Biol. Chem.</i> 276:11252-11256, The American Society for Biochemistry and Molecular Biology, Inc. (April 2001)
AB	AT	33	Klemm, P., "The <i>fimA</i> gene encoding the type-1 fimbrial subunit of <i>Escherichia coli</i> . Nucleotide sequence and primary structure of the protein," <i>Euro. J. Biochem.</i> 143:395-399, Blackwell Science, Ltd. (1984)

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AB	AR	34	Klemm, P., and Christiansen, G., "Three <i>fim</i> genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 208:439-445, Springer-Verlag (1987)
AB	AS	34	Klemm, P., et al., "The major subunit of <i>Escherichia coli</i> type 1 fimbriae is not required for D-mannose-specific adhesion," <i>Mol. Microbiol.</i> 4:553-559, Blackwell Scientific Publications (1990)
AB	AT	34	Klemm, P., and Christiansen, G., "The <i>fimD</i> gene required for cell surface localization of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 220:334-338, Springer-Verlag (1990)

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AB	AR	35	Klemm, P., "FimC, a chaperone-like periplasmic protein of <i>Escherichia coli</i> involved in biogenesis of type 1 fimbriae," <i>Res. Microbiol.</i> 143:831-838, Institut Pasteur/Elsevier (1992)
AB	AS	35	Klemm, P., and Krogfelt, K.A., "Type 1 Fimbriae of <i>Escherichia coli</i> ," in <i>Fimbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, FL., pp.9-26 (1994)
AB	AT	35	Kodama, S., et al., "Characterization of recombinant murine interleukin 5 expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 2:419-427, Oxford University Press (1992)

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AB	AR	36	Kodama, S., et al., "Carbohydrate Structures of Human Interleukin 5 Expressed in Chinese Hamster Ovary Cells," <i>J. Biochem. (Tokyo)</i> 110:693-701, Japanese Biochemical Society (1991)
AB	AS	36	Kopf, M., et al., "IL-5-Deficient Mice Have a Developmental Defect in CD5 ⁺ B-1 Cells and Lack Eosinophilia but have Normal Antibody and Cytotoxic T Cell Responses," <i>Immunity</i> 4:15-24, Cell Press (1996)
AB	AT	36	Koschel, M., et al., "Extensive Mutagenesis of the Hepatitis B Virus Core Gene and Mapping of Mutations That Allow Capsid Formation," <i>J. Virol</i> 73:2153-2160, American Society for Microbiology (1999)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	37	Koths, K., et al., "Structure-Function Studies on Human Macrophage Colony-Stimulating Factor (M-CSF)," Mol. Reprod. Dev. 46:31-38, Wiley-Liss, Inc. (1997)
AB	AS	37	Kozlovska, T.M., et al., "Recombinant RNA phage Q β capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," Gene 137:133-137, Elsevier Science Publishers B.V. (1993)
AB	AT	37	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage ϕ ," Dokl. Akad. Nauk. SSSR 287: 452-455, Erivan Akademiia Nauk Armianskoi Ssr (1986)

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FORM PTO-1449

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1700.0340001/BJD/SJEAPPLICATION NO.
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	AP						Yes No

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AB	AR	<u>38</u>	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," STNEasy, Accession No. 1986:219892, Cplus English abstract (1986) (Document AT37)
AB	AS	<u>38</u>	Krogfelt, K.A., et al., "Direct Evidence that the FimH Protein Is the Mannose-Specific Adhesin of <i>Escherichia coli</i> Type 1 Fimbriae," <i>Infect. Immun.</i> 58:1995-1998, American Society for Microbiology (1990)
AB	AT	<u>38</u>	Kuehn, M.J., et al., "Structural Basis of Pilus Subunit Recognition by the PapD Chaperone," <i>Science</i> 262:1234-1241, American Association for the Advancement of Science (1993)

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AB	AR	39	Kunimoto, D.Y., et al., "High-level production of murine interleukin-5 (IL-5) utilizing recombinant baculovirus expression. Purification of the rIL-5 and its use in assessing the biologic role of IL-5 glycosylation," <i>Cytokine</i> 3:224-230, W.B. Saunders Company (1991)
AB	AS	39	Landschulz, W.H., et al., "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins," <i>Science</i> 240:1759-1764, American Association for the Advancement of Science (1988)
AB	AT	39	Leake, C.J., et al., "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad <i>Xenopus laevis</i> ," <i>J. gen. Virol.</i> 35:335-339, Cambridge University Press (1977)

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AB	AR	40	Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotech. Bioeng.</i> 50:336-340, John Wiley & Sons, Inc. (1996)
AB	AS	40	Leech, M., et al., "Involvement of macrophage migration inhibitory factor in the evolution of rat adjuvant arthritis," <i>Arthritis Rheum.</i> 41:910-917, Arthritis Foundation (1998)
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AB	AR	41	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," <i>Bio/technology</i> 9:1356-1361, Nature Publishing Company (1991)
AB	AS	41	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotechnol.</i> 5:495-500, Current Biology, Ltd. (1994)
AB	AT	41	Lim, F., et al., "The RNA-binding Site of Bacteriophage Q β Coat Protein," <i>J. Biol. Chem.</i> 271:31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)

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AB	AR	<u>42</u>	Lin, E.Y., et al., "Colony-stimulating Factor 1 Promotes Progression of Mammary Tumors to Malignancy," <i>J. Exp. Med.</i> 193:727-739, The Rockefeller University Press (March 2001)
AB	AS	<u>42</u>	Lindberg, F., et al., "PapD, a Periplasmic Transport Protein in P-Pilus Biogenesis," <i>J. Bacteriol.</i> 171:6052-6058, American Society for Microbiology (1989)
AB	AT	<u>42</u>	Lo-Man, R., et al., "A recombinant virus-like particle system derived from parvovirus as an efficient antigen carrier to elicit a polarized Th1 immune response without adjuvant," <i>Eur. J. Immunol.</i> 28:1401-1407, Wiley-VCH Verlag GmbH (1998)

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AB	AR	43	López, O., et al., "Direct formation of mixed micelles in the solubilization of phospholipid liposomes by Triton X-100," <i>FEBS Lett.</i> 426:314-318, Elsevier (1998)
AB	AS	43	Lowe, M.A., et al., "Immunoelectron Microscopic Analysis of Elongation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 169:157-163, American Society for Microbiology (1987)
AB	AT	43	Lu, D., et al., "Identification of the Residues in the Extracellular Region of KDR Important for Interaction with Vascular Endothelial Growth Factor and Neutralizing Anti-KDR Antibodies," <i>J. Biol. Chem.</i> 275:14321-14330, The American Society for Biochemistry and Molecular Biology, Inc. (May 2000)

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AB	AR	44	Lum, L., et al., "Evidence for a Role of a Tumor Necrosis Factor- α (TNF- α)-converting Enzyme-like Protease in Shedding of TRANCE, a TNF Family Member Involved in Osteoclastogenesis and Dendritic Cell Survival," <i>J. Biol. Chem.</i> 274:13613-13618, The American Society for Biochemistry and Molecular Biology, Inc. (1999)
AB	AS	44	Lundstrom, K., "Alphaviruses as expression vectors," <i>Curr. Opin. Biotechnol.</i> 8:578-582, Current Biology, Ltd. (1997)
AB	AT	44	Luther, S.A., et al., "BLC Expression in Pancreatic Islets Causes B Cell Recruitment and Lymphotoxin-Dependent Lymphoid Neogenesis," <i>Immunity</i> 12:471-481, Cell Press (May 2000)

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AB	AR	45	Mackay, J.L., and Browning, J.L., "Turning off follicular dendritic cells," Nature 395:26-27, Macmillan Magazines, Ltd. (1998)
AB	AS	45	Martiny-Baron, G., and Marmé, D., "VEGF-mediated tumour angiogenesis: a new target for cancer therapy," Curr. Opin. Biotechnol. 6:675-680, Current Biology, Ltd. (1995)
AB	AT	45	Matsui, S.M., et al., "The Isolation and Characterization of a Norwalk Virus-Specific cDNA," J. Clin. Invest. 87:1456-1461, The American Society for Clinical Investigation, Inc. (1991)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	<u>46</u>	Matsumoto, M., et al., "Role of Lymphotoxin and the Type 1 TNF Receptor in the Formation of Germinal Centers," <i>Science</i> 271:1289-1291, American Association for the Advancement of Science (1996)
AB	AS	<u>46</u>	Matthews, W., et al., "A receptor tyrosine kinase cDNA isolated from a population of enriched primitive hematopoietic cells and exhibiting close genetic linkage to c-kit," <i>Proc. Natl. Acad. Sci. USA</i> 88:9026-9030, National Academy Press (1991)
AB	AT	<u>46</u>	Matusevicius, D., et al., "Interleukin-17 mRNA expression in blood and CSF mononuclear cells is augmented in multiple sclerosis," <i>Mult. Scler.</i> 5:101-104, Stockton Press (1999)

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AB	AR	47	Mayer, K.L., and Stone, M.J., "NMR Solution Structure and Receptor Peptide Binding of the CC Chemokine Eotaxin-2," <i>Biochemistry</i> 39:8382-8395, American Chemical Society (July 2000)
AB	AS	47	McClain, M.S., et al., "Roles of <i>fimB</i> and <i>fimE</i> in Site-Specific DNA Inversion Associated with Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 173:5308-5314, American Society for Microbiology (1991)
AB	AT	47	McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," <i>Cell Signal</i> 11:229-238, Elsevier Science, Inc. (1999)

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AB	AR	48	Mikulowska, A., et al., "Macrophage Migration Inhibitory Factor Is Involved in the Pathogenesis of Collagen Type II-Induced Arthritis in Mice," <i>J. Immunol.</i> 158:5514-5517, The American Association of Immunologists (1997)
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AB	AR	49	Mitchell, D.L., et al., "Purification and characterization of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem. Soc. Trans.</i> 21:332S, Portland Press (1993)
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AB	AT	50	Murphy, Jr., K.P., et al., "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," <i>Protein Expr. Purif.</i> 12:208-214, Academic Press (1998)

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AB	AR	<u>51</u>	Nagira, M., et al., "Molecular Cloning of a Novel Human CC Chemokine Secondary Lymphoid-Tissue Chemokine That Is a Potent Chemoattractant for Lymphocytes and Mapped to Chromosome 9p13," <i>J. Biol. Chem.</i> 272:19518-19524, The American Society for Biochemistry and Molecular Biology, Inc. (1997)
AB	AS	<u>51</u>	Nanki, T., et al., "Stromal Cell-Derived Factor-1-CXC Chemokine Receptor 4 Interactions Play a Central Role in CD4 ⁺ T Cell Accumulation in Rheumatoid Arthritis Synovium," <i>J. Immunol.</i> 165:6590-6598, The American Association of Immunologists (December 2000)
AB	AT	<u>51</u>	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by Rnase E in the pap operon of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 21:55-68, Blackwell Science, Ltd. (1996)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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AB	AR	52	Neiryneck, S., et al., "A universal influenza A vaccine based on the extracellular domain of the M2 protein," Nat. Med. 5:1157-1163, Nature Publishing Company (1999)
AB	AS	52	Newman, J.V., et al., "Stimulation of <i>Escherichia coli</i> F-18Col Type-1 fimbriae synthesis by leuX," FEMS Microbiol. Lett. 122:281-287, Elsevier (1994)
AB	AT	52	Ni, C.-Z., et al., "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," Protein Sci. 5:2485-2493, Cambridge University Press (1996)

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AB	AR	53	Nilsson, P., et al., "Mutations Affecting mRNA Processing and Fimbrial Biogenesis in the <i>Escherichia coli</i> pap Operon," <i>J. Bacteriol.</i> 178:683-690, American Society for Microbiology (1996)
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AB	AR	<u>54</u>	Olszewska, W., et al., "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," <i>Virology</i> 272:98-105, Academic Press (June 2000)
AB	AS	<u>54</u>	Orndorff, P.E., and Falkow, S., "Identification and Characterization of a Gene Product That Regulates Type 1 Piliation in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 160:61-66, American Society for Microbiology (1984)
AB	AT	<u>54</u>	Orndorff, P.E., and Falkow, S., "Nucleotide Sequence of <i>pilA</i> , the Gene Encoding the Structural Component of Type 1 Pili in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 162:454-457, American Society for Microbiology (1985)

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AB	AR	56	Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in <i>Escherichia coli</i> and Insect Cells," <i>Biochem. Biophys. Res. Commun.</i> 253:756-760, Academic Press (1998)
AB	AS	56	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol. Immunol.</i> 37:613-620, Elsevier Science, Ltd. (August 2000)
AB	AT	56	Piossek, C., et al., "Vascular Endothelial Growth Factor (VEGF) Receptor II-derived Peptides Inhibit VEGF," <i>J. Biol. Chem.</i> 274:5612-5619, The American Society for Biochemistry and Molecular Biology, Inc. (1999)

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AB	AR	57	Presta, L.G., et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," <i>Cancer Res.</i> 57:4593-4599, The American Association for Cancer Research (1997)
AB	AS	57	Priano, C., et al., "A Complete Plasmid-based Complementaion System for RNA Coliphage Q β : Three Proteins of Bacteriophages Q β (Group III) and SP (Group IV) can be Interchanged," <i>J. Mol. Biol.</i> 249:283-297, Academic Press, Ltd. (1995)
AB	AT	57	Proudfoot, A.E.I., et al., "Preparation and characterization of human interleukin-5 expressed in recombinant <i>Escherichia coli</i> ," <i>Biochem. J.</i> 270:357-361, Portland Press, Ltd. (1990)

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AB	AR	<u>58</u>	Renner, W.A., et al., "Recombinant Cyclin E Expression Activates Proliferation and Obviates Surface Attachment of Chinese Hamster Ovary (CHO) Cells in Protein-Free Medium," <i>Biotech. Bioeng.</i> 47:476-482, John Wiley & Sons, Inc. (1995)
AB	AS	<u>58</u>	Risau, W., "Mechanisms of angiogenesis," <i>Nature</i> 386:671-674, Nature Publishing Group (1997)
AB	AT	<u>58</u>	Ritter, A., et al., "The Pai-associated leuX specific tRNA ^{Leu} affects type 1 fimbriation in pathogenic <i>Escherichia coli</i> by control of FimB recombinase expression," <i>Mol. Microbiol.</i> 25:871-882, Blackwell Science, Ltd. (1997)

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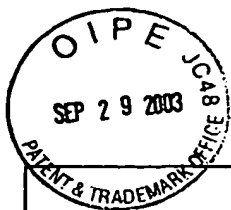
AB	AR	59	Roesch, P.L., and Blomfield, I.C., "Leucine alters the interaction of the leucine-responsive regulatory protein (Lrp) with the <i>fim</i> switch to stimulate site-specific recombination in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 27:751-761, Blackwell Science, Ltd. (1998)
AB	AS	59	Roher, A.E., et al., "Isolation and Chemical Characterization of Alzheimer's Disease Paired Helical Filament Cytoskeletons: Differentiation from Amyloid Plaque Core Protein," <i>J. Cell Biol.</i> 107:2703-2716, The Rockefeller University Press (1988)
AB	AT	59	Roher, A.E., et al., "Morphological and Biochemical Analyses of Amyloid Plaque Core Proteins Purified from Alzheimer Disease Brain Tissue," <i>J. Neurochem.</i> 61: 1916-1926, Raven Press, Ltd. (1993)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	<u>60</u>	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18:263-266, Elsevier Science, Ltd. (1997)
AB	AS	<u>60</u>	Rothenberg, M.E., et al., "Targeted Disruption of the Chemokine Eotaxin Partially Reduces Antigen-induced Tissue Eosinophilia," <i>J. Exp. Med.</i> 185:785-790, The Rockefeller University Press (1997)
AB	AT	<u>60</u>	Rusconi, S., et al., "In vitro inhibition of HIV-1 by Met-SDF-1 β alone or in combination with antiretroviral drugs," <i>Antivir. Ther.</i> 5:199-204, International Medical Press (September 2000)

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AB	AR	<u>61</u>	Russell, P.W., and Orndorff, P.E., "Lesions in Two <i>Escherichia coli</i> Type 1 Pilus Genes Alter Pilus Number and Length without Affecting Receptor Binding," <i>J. Bacteriol.</i> 174:5923-5935, American Society for Microbiology (1992)
AB	AS	<u>61</u>	Santos, L., et al., "Role of macrophage migration inhibitory factor (MIF) in murine antigen-induced arthritis: interaction with glucocorticoids," <i>Clin. Exp. Immunol.</i> 123:309-314, Blackwell Science (February 2001)
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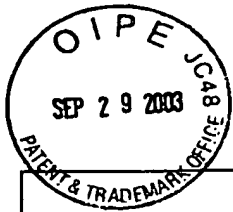
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AB	AR	62	Schenk, D., et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400:173-177, Nature Publishing Group (1999)
AB	AS	62	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," <i>Trends Biotechnol.</i> 11:18-22, Elsevier Science Publishers, Ltd. (1993)
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AB	AT	<u>63</u>	Soto, H., et al., "The CC chemokine 6Ckine binds the CXC chemokine receptor CXCR3," <i>Proc. Natl. Acad. Sci. USA</i> 95:8205-8210, National Academy Press (1998)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AB	AR	65	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses. Biology, Structure, Replication</i> , Schlesinger, R.W., ed., Academic Press, Inc. New York, N.Y., pp.583-621 (1980)
AB	AS	65	Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology (1994)
AB	AT	65	Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chaperone-Subunit Complexes in Pilus Biogenesis," <i>J. Biol. Chem.</i> 269:12233-12239, The American Society for Biochemistry and Molecular Biology, Inc. (1994)

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AB	AR	66	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <i>Proc. Natl. Acad. Sci. USA</i> 94:13287-13292, National Academy Press (1997)
AB	AS	66	Sun, H.-W., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," <i>Proc. Natl. Acad. Sci. USA</i> 93:5191-5196, National Academy Press (1996)
AB	AT	66	Tang, J.-L., et al., "Interleukin-17 antagonism inhibits acute but not chronic vascular rejection," <i>Transplantation</i> 72:348-350, Lippincott Williams & Wilkins (July 2001)

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AB	AR	67	Tanimori, H., et al., "Enzyme immunoassay of neocarzinostatin using β -galactosidase as label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
AB	AS	67	Teixeira, M.M., et al., "Chemokine-induced Eosinophil Recruitment. Evidence of a Role for Endogenous Eotaxin in an In Vivo Allergy Model in Mouse Skin," <i>J. Clin. Invest.</i> 100:1657-1666, The American Society for Clinical Investigation, Inc. (1997)
AB	AT	67	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)

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AB	AR	68	Teunissen, M.B.M., et al., "Interleukin-17 and Interferon- γ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes," <i>J. Invest. Dermatol.</i> 111:645-649, The Society for Investigative Dermatology, Inc. (1998)
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AB	AR	69	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999)
AB	AS	69	Twomey, T., et al., "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610, Elsevier Science, Ltd. (1995)
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AB	AR	70	Vicari, A.P., et al., "Antitumor Effects of the Mouse Chemokine 6Ckine/SLC Through Angiostatic and Immunological Mechanisms," <i>J. Immunol.</i> 165:1992-2000, The American Association of Immunologists (August 2000)
AB	AS	70	Visintin, M. et al., "Selection of antibodies for intracellular function using a two-hybrid <i>in vivo</i> system," <i>Proc. Natl. Acad. Sci. USA</i> 96:11723-11728, National Academy Press (1999)
AB	AT	70	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the <i>Escherichia coli</i> PapD chaperone," <i>FEBS Lett.</i> 412:115-120, Elsevier Science B.V. (1997)

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AB	AR	71	Warnes, A., et al., "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science B.V. (1995)
AB	AS	71	Watson, E., et al., "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
AB	AT	71	Wei, Y.Q., et al., "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," <i>Nat. Med.</i> 6:1160-1166, Nature Publishing Company (October 2000)

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AB	AR	72	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Q β Coat Protein," <i>Biochemistry</i> 28:71-76, American Chemical Society (1989)
AB	AS	72	Wong, C.K., et al., "Elevation of proinflammatory cytokine (IL-18, IL-17, IL-12) and Th2 cytokine (IL-4) concentrations in patients with systemic lupus erythematosus," <i>Lupus</i> 9:589-593, Macmillan Publishers Ltd. (2000)
AB	AT	72	Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulinitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	73	Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," J. Biol. Chem. 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001)
AB	AS	73	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," Mol. Cell 3:771-780, Cell Press (1999)
AB	AT	73	Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," Science 243:1188-1191, American Association for the Advancement of Science (1989)

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AB	AR	74	Yao, Z., et al., "Human IL-17: A Novel Cytokine Derived from T Cells," J. Immunol. 155:5483-5486, The American Association of Immunologists (1995)
AB	AS	74	Yao, Z., et al., "Molecular characterization of the human interleukin (IL)-17 receptor," Cytokine 9:794-800, Academic Press, Ltd. (1997)
AB	AT	74	Yone, K., et al., "Epitopic Regions for Antibodies against Tumor Necrosis Factor α ," J. Biol. Chem. 270:19509-19515, The American Society for Biochemistry and Molecular Biology, Inc. (1995)

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AB	AR	75	Yuan, T-T., et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," <i>J. Virol.</i> 73:10122-10128, American Society for Microbiology (1999)
AB	AS	75	Zang, M., et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," <i>Bio/Technology</i> 13:389-392, Nature Publishing Company (1995)
AB	AT	75	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66:5393-5398, American Society for Microbiology (1992)

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AB	AR	76	Zimmermann, N., et al., "Murine Eotaxin-2: A Constitutive Eosinophil Chemokine Induced by Allergen Challenge and IL-4 Overexpression," J. Immunol. 165:5839-5846, The American Association of Immunologists (November 2000)
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AB	AR	77	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," <i>Proc. Natl. Acad. Sci. USA</i> 95:9477-9481, National Academy Press (1998)
AB	AS	77	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," <i>Vaccine</i> 19:2615-2619, Elsevier Science, Ltd. (March 2001)
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AB	AS	78	Kozlovska, T.M., et al., "RNA Phage Q β Coat Protein as a Carrier for Foreign Epitopes," <i>Intervirology</i> 39:9-15, S. Karger AG (1996)
AB	AT	78	Kratz, P.A., et al., "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920, National Academy of Sciences (1999)

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AB	AR	79	Nieland, J.D., et al., "Chimeric Papillomavirus Virus-like Particles Induce a Murine Self-Antigen-Specific Protective and Therapeutic Antitumor Immune Response," <i>J. Cell. Biochem.</i> 73:145-152, Wiley-Liss, Inc. (1999)
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AB	AT	79	Vasiljeva, I., et al., "Mosaic Q β coats as a new presentation model," <i>FEBS Lett.</i> 431:7-11, Federation of European Biochemical Societies (1998).

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ATTY. DOCKET NO.
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BACHMANN et al.FILING DATE
July 18, 2003GROUP
To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AB	AR	80	International Search Report for International Application No. PCT/IB 02/00166, mailed January 31, 2003.
	AS		
	AT		

EXAMINER /Agnieszka Boesen/

DATE CONSIDERED 07/13/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.